

CLAIMS

1. In a communication device operable in at least two states, a method of transitioning
2 between a call in a first state and a second state, each state having an associated number, each
number having a prefix portion and a suffix portion, the call having at least one called party
4 and a calling party, the method comprising:
requesting a change of state;
6 sending at least the suffix portion of the number corresponding to the second state to
the calling party;
8 comparing the number corresponding to the first state with the number corresponding
to the second state;
10 appending the prefix portion of the number corresponding of the first state with the
suffix portion of the number corresponding to the second state;
12 establishing a new call using the number corresponding to the second state.

2. The method as set forth in Claim 1, further comprising storing the number
corresponding to the first state in memory associated with the calling party.

3. The method as set forth in Claim 1, further comprising establishing a call in the first
state prior to requesting a change of state.

4. The method as set forth in Claim 1, wherein the prefix portion comprises regional
codes and the suffix portion comprises the telephone number.

5. The method as set forth in Claim 1, wherein the first state is a clear state and the
second state is a secure state.

6. The method as set forth in Claim 1, wherein the first state is a secure state and the
second state is a clear state.

7. The method as set forth in Claim 1, wherein the first state is a voice state and the
second state is a data state.

8. The method as set forth in Claim 1, wherein the first state is a data state and the
2 second state is a voice state.

9. The method as set forth in Claim 1, wherein the first state is a first phone number and
2 the second state is a second phone number.

10. The method as set forth in Claim 1, wherein the calling party and the at least one
2 called party are on a wireless call.

11. In a communication device operable in at least two states, a method of transitioning
2 between a call in a first state and a second state, each state having an associated number, each
number having a prefix portion and a suffix portion, the call having at least one called party
4 and a calling party, the method comprising:

receiving a request for a change of state;

6 receiving at least the suffix portion of the number corresponding to the second state
from the calling party;

8 comparing the number corresponding to the first state with the number corresponding
to the second state;

10 appending the prefix portion of the number corresponding of the first state with the
suffix portion of the number corresponding to the second state;

12 establishing a new call using the number corresponding to the second state.

12. The method as set forth in Claim 11, further comprising storing the number
2 corresponding to the first state in memory associated with the calling party.

13. The method as set forth in Claim 11, further comprising establishing a call in the first
2 state prior to receiving a request for a change of state.

14. The method as set forth in Claim 11, wherein the prefix portion comprises regional
2 codes and the suffix portion comprises the telephone number.

15. The method as set forth in Claim 11, wherein the first state is a clear state and the
2 second state is a secure state.

16. The method as set forth in Claim 11, wherein the first state is a secure state and the
2 second state is a clear state.

17. The method as set forth in Claim 11, wherein the first state is a voice state and the
2 second state is a data state.

18. The method as set forth in Claim 11, wherein the first state is a data state and the
2 second state is a voice state.

19. The method as set forth in Claim 11, wherein the first state is a first phone number
2 and the second state is a second phone number.

20. The method as set forth in Claim 11, wherein the calling party and the at least one
2 called party are on a wireless call.

21. In a communication device operable in at least two states, a method of transitioning
2 between a call in a first state and a second state, each state having an associated number, each
4 number having a prefix portion and a suffix portion, the call having at least one called party
and a calling party, the method comprising:

6 requesting a change of state;

8 sending at least the suffix portion of the number corresponding to the second state to
the calling party;

8 receiving a request to establish a new call from the calling party using the number
corresponding to the second state.

22. The method as set forth in Claim 21, further comprising storing the number
2 corresponding to the first state in memory associated with the calling party.

23. The method as set forth in Claim 21, further comprising establishing a call in the first
2 state prior to requesting a change of state.

24. The method as set forth in Claim 21, wherein the prefix portion comprises regional
2 codes and the suffix portion comprises the telephone number.

25. The method as set forth in Claim 21, wherein the first state is a clear state and the
2 second state is a secure state.

26. The method as set forth in Claim 21, wherein the first state is a secure state and the
2 second state is a clear state.

27. The method as set forth in Claim 21, wherein the first state is a voice state and the
2 second state is a data state.

28. The method as set forth in Claim 21, wherein the first state is a data state and the
2 second state is a voice state.

29. The method as set forth in Claim 21, wherein the first state is a first phone number
2 and the second state is a second phone number.

30. The method as set forth in Claim 21, wherein the calling party and the at least one
2 called party are on a wireless call.

31. In a communication device operable in at least two states, a method of transitioning
2 between a call in a first state and a second state, each state having an associated number, each
number having a prefix portion and a suffix portion, the call having at least one called party
4 and a calling party, the method comprising:

receiving a request for a change of state;

6 sending at least the suffix portion of the number corresponding to the second state to
the calling party;

8 receiving a request to establish a new call from the calling party using the number
corresponding to the second state.

32. The method as set forth in Claim 31, further comprising storing the number
2 corresponding to the first state in memory associated with the calling party.

33. The method as set forth in Claim 31, further comprising establishing a call in the first
2 state prior to receiving a request for a change of state.

34. The method as set forth in Claim 31, wherein the prefix portion comprises regional
2 codes and the suffix portion comprises the telephone number.

35. The method as set forth in Claim 31, wherein the first state is a clear state and the
2 second state is a secure state.

36. The method as set forth in Claim 31, wherein the first state is a secure state and the
2 second state is a clear state.

37. The method as set forth in Claim 31, wherein the first state is a voice state and the
2 second state is a data state.

38. The method as set forth in Claim 31, wherein the first state is a data state and the
2 second state is a voice state.

39. The method as set forth in Claim 31, wherein the first state is a first phone number
2 and the second state is a second phone number.

40. The method as set forth in Claim 31, wherein the calling party and the at least one
2 called party are on a wireless call.

41. An apparatus configured to transition between a first state and a second state during a
2 call, each state having an associated number, each number having a prefix portion and a
suffix portion, the call having at least one called party and a calling party, the apparatus
4 comprising:

a receiver configured to receive a request of a change of state;

6 a comparer configured to compare the number corresponding to the first state with the
number corresponding to the second state;

8 a grouper coupled to the comparer configured to append the prefix portion of the
number corresponding of the first state with the suffix portion of the number corresponding to
10 the second state;

12 an establisher configured to establish a new call using the number corresponding to
the second state.

42. The apparatus set forth in Claim 41, wherein the receiver is further configured to
2 receive the number corresponding to the second state from the calling party.

43. The apparatus set forth in Claim 41, further comprising a storage device configured to
2 store the number corresponding to the first state in memory associated with the calling party.

44. The method as set forth in Claim 41, wherein the establisher is configured to establish
2 a call in the first state prior a change of state.

45. The method as set forth in Claim 41, wherein the prefix portion comprises regional
2 codes and the suffix portion comprises the telephone number.

46. The method as set forth in Claim 41, wherein the first state is a clear state and the
2 second state is a secure state.

47. The method as set forth in Claim 41, wherein the first state is a secure state and the
2 second state is a clear state.

48. The method as set forth in Claim 41, wherein the first state is a voice state and the
2 second state is a data state.

49. The method as set forth in Claim 41, wherein the first state is a data state and the
2 second state is a voice state.

50. The method as set forth in Claim 41, wherein the first state is a first phone number
2 and the second state is a second phone number.

51. The method as set forth in Claim 41, wherein the calling party and the at least one
2 called party are on a wireless call.

52. In a communication device operable in at least two states, a method of transitioning
2 between a call in a first state and a second state, each state having an associated number, each
number having a prefix portion and a suffix portion, the call having at least one called party
4 and a calling party, the method comprising:

establishing a call in the first state;
6 receiving a request for a change of state;
receiving at least the suffix portion of the number corresponding to the second state
8 from the calling party;
comparing the number corresponding to the first state with the number corresponding
10 to the second state;
appending the prefix portion of the number corresponding of the first state with the
12 suffix portion of the number corresponding to the second state;
establishing a new call using the number corresponding to the second state.

53. In a communication device operable in at least two states, a method of transitioning
2 between a call in a first state and a second state, each state having an associated number, each
number having a prefix portion and a suffix portion, the call having at least one called party
4 and a calling party, the method comprising:
establishing a call in the first state;
6 storing the number corresponding to the first state in memory associated with the
calling party;
8 receiving a request for a change of state;
receiving at least the suffix portion of the number corresponding to the second state
10 from the calling party;
comparing the number corresponding to the first state with the number corresponding
12 to the second state;
appending the prefix portion of the number corresponding of the first state with the
14 suffix portion of the number corresponding to the second state;
establishing a new call using the number corresponding to the second state.

54. An apparatus configured to transition between a first state and a second state during a
2 call, each state having an associated number, each number having a prefix portion and a
suffix portion, the call having at least one called party and a calling party, the apparatus
4 comprising:
a storage device configured to store the number corresponding to the first state
6 in memory associated with the calling party;
a receiver configured to receive a request of a change of state and configured to
2 receive the number corresponding to the second state from the calling party;

a comparer configured to compare the number corresponding to the first state with the number corresponding to the second state;

a grouper coupled to the comparer configured to append the prefix portion of the number corresponding of the first state with the suffix portion of the number corresponding to the second state;

an establisher configured to establish a new call using the number corresponding to the second state.

55. An apparatus configured to transition between a first state and a second state during a call, each state having an associated number, each number having a prefix portion and a suffix portion, the call having at least one called party and a calling party, the apparatus comprising:

an establisher configured to establish a call in the first state;

a storage device configured to store the number corresponding to the first state in memory associated with the calling party;

a receiver configured to receive a request of a change of state and configured to receive the number corresponding to the second state from the calling party;

a comparer configured to compare the number corresponding to the first state with the number corresponding to the second state;

a grouper coupled to the comparer configured to append the prefix portion of the number corresponding of the first state with the suffix portion of the number corresponding to the second state;

wherein the establisher is further configured to establish a new call using the number corresponding to the second state.